

Supplementary table 1. Primer sequences used in qRT-PCR

Target	Sequence 5'-3' (forward)	Sequence 5'-3' (reverse)
<i>NPM1</i>	ACTCCACCCTTTTGCTTGGTTT	TTTGTCTCCCCACCATTTC
E-cadherin	GGCTGGACCGAGAGAGTTAC C	CACTTTGAGTGTGGCGATCC
ZO1	CGAGTTGCAATGGTTAACGGA	TCAGGATCAGGACGACTTAC TGG
Vimentin	GACCAGAGATGGACAGGTGAT	CGTCTTTTGGGGTGTCAAGTT G
α -SMA	TTCCAGCCTTCCTTTATCG	TTGGCGTACAGGTCCTTC
miR-429	UAAUACUGUCUGGUAAAACCGU	UUCUCCGAACGUGUCACGU TT
GAPDH	AGGTCGGTGTGAACGGATTTG	GGGGTCGTTGATGGCAACA
U6	CTCGCTTCGGCAGCACA	AACGCTTCACGAATTTGCGT

Supplementary table 2. GO enrichment analysis list of 6 genes

ONTOLOGY	ID	Description	GeneRatio	pvalue	geneID
BP	GO:0007568	aging	6/6	2.46662E-11	CANX/EIF2S1/ CDKN1A/PTEN /PDGFRB/COL4 A2
BP	GO:0048660	regulation of smooth muscle cell proliferation	3/6	1.42845E-05	CDKN1A/PTEN /PDGFRB
BP	GO:0048659	smooth muscle cell proliferation	3/6	1.47972E-05	CDKN1A/PTEN /PDGFRB
CC	GO:0043197	dendritic spine	2/6	0.001071025	CANX/PTEN
CC	GO:0044309	neuron spine	2/6	0.001096304	CANX/PTEN
CC	GO:0043220	Schmidt-Lanterman incisure	1/6	0.003343123	PTEN
MF	GO:0005161	platelet-derived growth factor receptor binding	2/6	1.00389E-05	PTEN/PDGFRB

MF	GO:0035255	ionotropic glutamate receptor binding	2/6	4.73003E-05	CANX/PTEN
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